



**United Nations
Environment
Programme**



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EXECUTIVE COMMITTEE OF
THE MULTILATERAL FUND FOR THE
IMPLEMENTATION OF THE MONTREAL PROTOCOL
Twenty-sixth Meeting
Cairo, 11-13 November 1998

COUNTRY PROGRAMME: BRUNEI DARUSSALAM

This document consists of:

- Country Programme Evaluation Sheet (prepared by the Fund Secretariat)
- Comments and Recommendations of the Fund Secretariat
- Transmittal Letter from the Government of Brunei Darussalam
- Country Programme Cover Sheet
- Country Programme (Executive Summary)

BRUNEI DARUSSALAM COUNTRY PROGRAMME EVALUATION SHEET

Ozone Layer Protection Unit, State Ministry for Environment

Status of ratification of the Vienna Convention and the Montreal Protocol

	Signature	Ratification	Entry into force
Vienna Convention (1985)		26-Jul-90	24-Oct-90
Montreal Protocol (1987)		27-May-93	25-Aug-93
London Amendment (1990)			
Copenhagen Amendment (1992)			

Production of controlled substances: No controlled substances produced

Consumption of controlled substances (1995) 69.9 metric tonnes
65.0 weighted tonnes (ODP)

(tonnes)	CFC-11	CFC-12	CFC-113	CFC-114	CFC-115	TOTAL Halon1211	Halon1301	TOTAL	CTC	MCF	TOTAL	Me-Br
ODS	3.6	60.0			1.6	65.2				4.7	4.7	
ODP	3.6	60.0			1.0	64.6				0.5	0.5	

Distribution of ODP by substance: CFC 99.3% Halon CTC and MCF 0.7%

<i>Distribution of ODP by sector:</i>	Aerosol	Foam	Halon	Refrigeration	Solvent	Other
Consumption (ODP tonnes):	0.0	0.0	0.0	64.6	0.5	0.0
Percent of total:				99.3%	0.7%	

Country Programme

Duration of country programme: 8 years (1998-2006)

ODS phase out target: 50% reduction in ODS consumption by 2003; complete phase-out by 2006

Phase out priority area: Refrigeration sector

Cost of activities in country programme: \$80,000

Strategy:

The Government is committed to comply with the Montreal Protocol's limits before the stipulated date based on the availability of non-ODS technology, economic cost of ODS phase-out and affordability for the users. The strategy comprises, inter alia, introduction of an approval permit system to control the import of ODS; amendment to the Customs Order where necessary to declare importation of ODSs at the point of entry; initiation of CFC-12 phaseout in new MACs from 1 January 1999 and in MAC servicing by 2006; minimization of the loss of ODS during maintenance of refrigeration equipment; discouraging imports of products that use ODS; promoting recycling and reuse of halons; and legal measures and economic instruments to ensure the effectiveness of the strategy.

COMMENTS AND RECOMMENDATIONS OF THE FUND SECRETARIAT

COMMENTS

1. The Country Programme conforms to the format of the approved guidelines. The total ODS consumption in the country is estimated at 65 ODP tonnes, mainly CFC-12 for servicing and maintenance of refrigeration and air conditioning equipment and MAC units.
2. CFC-12 (48 tonnes) is mostly used for servicing MAC units. During the survey conducted for the preparation of the country programme it was found that consumption of CFC-12 in this sub-sector will increase, because new cars are imported without a MAC unit in order to reduce duty fees. CFC-12 based MAC units are locally fitted (approximately 80% of new cars sold have CFC-12 MACs). The remaining CFC 12 (11 tonnes) is mainly used for servicing central air-conditioning, domestic and small commercial refrigerators.
3. Brunei Darussalam was initially classified as a non-Article 5 country. By decision IX/33 of the Meeting of the Parties, the country was reclassified as an Article 5 country effective 1 January 1995 on the basis of its data submitted for 1995.
4. The country programme also includes a project for the establishment of an Ozone Unit within the Ministry of Development (institutional strengthening). The Government of Brunei Darussalam is requesting a total of US \$80,000 for the implementation of this project. The Fund Secretariat's comments and recommendations regarding this request are presented under UNEP work programme amendments (UNEP/OzL.Pro/ExCom/26/20).

RECOMMENDATIONS

The Fund Secretariat recommends as follows:

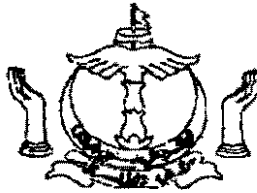
1. To approve the Brunei Darussalam Country Programme. Approval of the Country Programme does not denote approval of the projects identified therein or their funding levels.

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MINISTRY OF DEVELOPMENT
BANDAR SERI BEGAWAN 1190
NEGARA BRUNEI DARUSSALAM

Our reference: KPN/UAS/B:9.1.1

22 September 1998

The Chief Officer
Secrétariat of the Multilateral Fund
for the Implementation of the Montreal Protocol
18000 McGill College, 27th Floor
Montreal
CANADA H3A 3J6

Dear Sir,

Re: **BRUNEI DARUSSALAM COUNTRY PROGRAMME FOR THE
PHASE-OUT OF OZONE DEPLETING SUBSTANCES**

We have the honour to submit herewith the Country Programme of Brunei Darussalam for the consideration and approval of the Multilateral Fund for the Implementation of the Montreal Protocol.

Brunei Darussalam adhered to the Protocol on the 23rd May 1993 and became a Party on the same date. It was initially classified as a non-Article 5 country. However, in June 1997, she was reclassified as an Article 5 Country based on ODS consumption data for 1995 collected during the 1996 National ODS Survey.

We would like to place on the record the appreciation of the Government of Brunei Darussalam of the assistance extended to it through the UNEP IE OzonAction Programme for the preparation of the Country Programme which started in 1995. We are pleased to say that the Government is committed to the implementation of the actions contained in the Country Programme. Brunei Darussalam also welcomes any further assistance conferred to her especially to support personnel who will help in the implementation of the Country Programme. For this purpose, financial assistance to the amount of US\$80,000.00 would be required for the duration of the Country Programme.

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We further assert that it is the Government's intention to monitor compliance with the Protocol. If necessary, further and different actions from those specified in the Country Programme will be formulated and submitted to the Executive Committee of the Multilateral Fund.

Please accept, Sir, the assurance of our highest consideration.

Yours sincerely,

A handwritten signature in cursive script, reading "Zakaria Bin Haji Sarudin".

(HAJI MOHD. ZAKARIA BIN HAJI SARUDIN)
Acting Head of Environment Unit
for Permanent Secretary
Ministry of Development
BRUNEI DARUSSALAM.

13/01/98
18/01/98
20/01/98

Prepared by:

COUNTRY PROGRAMME COVER SHEET

Country : Negara Brunei Darussalam Date Received :
 Lead National Agency : The Environment Unit
 Ministry of Development Period Covered by
 the Country Programme : 1998 – 2006

1. Phase-out Schedule

Substance	%	Current consumption 1995 (tonnes X ODP)	Planned total consumption till phase-out (tonnes X ODP)	Planned year of phase-out
CFC-11	4.82	3.630* X 1.0 = 3.630	24.99** X 1.0 = 24.99	2006
CFC-12	79.75	59.993* X 1.0 = 59.993	331.08** X 1.0 = 331.08	2006
CFC-115	1.28	1.611* X 0.6 = 0.967	11.07** X 0.6 = 6.64	2006
Methyl chloroform	0.62	4.680* X 0.1 = 0.468	18.72** X 0.1 = 1.87	2003
		Total = 65.05	Total = 364.58	

2. Government Action Plan

Year(s) Started/Ended	Description of Action	Sector	Intended Effect
1. INSTITUTIONAL MEASURES			
1998	1.1 Establish National Steering Committee and an Ozone Protection Unit to facilitate ODS phase-out	all	Creation of institutional mechanism to facilitate ODS phase-out
1999	1.2 Establish relevant industrial sector expert groups to facilitate the formulation and implementation of phase-out action plans	all	Creation of institutional mechanism to facilitate ODS phase-out
1999	1.3 Enhancing Customs' Department's reporting procedure and guidelines and to monitor the import of ODS and Statistics Department reporting procedure	all	Strengthening of institutional mechanism to facilitate ODS phase-out
1999	1.4 Compile information on ozone layer protection set up databases on relevant non-ODS technologies and alternatives	all	Creation of supporting mechanism to facilitate ODS phase-out
1999	1.5 Capacity building of Government Ministries in preventing the creation of new sources of ODS consumption by representation of Ministry of Development in planning approval committees such as the Municipal Boards and Planning Committee for the approval of projects	all	Strengthening of institutional mechanism to facilitate ODS phase-out
2. REGULATORY MEASURES			
1999	2.1 Amendment to existing orders of Customs Department to monitor ODS and follow-up enforcement activities	all	Introduce control measures to facilitate ODS phase-out
1999	2.2 Formulation of law/regulations or the issuance of administrative directives to control the use of ODS in the various sector	all	Introduce control measures to facilitate ODS phase-out
1999	2.3 Establishment of Application Permit system to control import/export and use of ODS	all	Introduce control measures to facilitate ODS phase-out
1999	2.4 Formulation of guidelines to assist the relevant Government planning Committee in the vetting of investment projects for non-ODS technologies	all	Introduce control measures to facilitate ODS phase-out
1999	2.5 Formulation of tax incentive schemes such as tax reduction on the use of non-ODS based goods and ODS alternatives	all	Introduce control measures to facilitate ODS phase-out
1999	2.6 Initiates voluntary agreements with companies/ industry groups under which they commit to change to substitutes/alternatives without further action from the government.	all	Introduce control measures to facilitate ODS phase-out

2. Government Action Plan (continued)

Year(s) Started/Ended	Description of Action	Sector	Intended Effect
3. REPORT/STUDIES			
1998	3.1 Preparation of ODS Country Programme (CP) 1998	all	Formulate Action Plan for ODS phase-out
1999	3.2 Registration of users and sources of ODS consumption as a follow-up to the preparation of the CP 1998	all	To facilitate ODS phase-out in the sector
2001	3.3 Preparation of ODS Country Programme Update 2001	all	Updating the CP in the light of implementation
1999	3.4 Study/Documentation of ODS alternatives/substitutes applicable to Brunei Darussalam	all	To facilitate ODS phase-out in the sector
4. ODS REDUCTION PLANS			
1999	4.1 Formulation of ODS Reduction Plan for Mobile Air Conditioning Sector	all	To facilitate ODS phase-out in the sector
1999	4.2 Formulation of ODS Reduction Plan for Central Air Conditioning and Refrigeration Sector	all	To facilitate ODS phase-out in the sector
1999	4.3 Formulation of Servicing Plan for the Fire Fighting Sector using recycled halon	all	To facilitate ODS phase-out in the sector
1999	4.4 Formulation of Reduction Plan for the Solvent (Cleaning) Sector	all	To facilitate ODS phase-out in the sector
5. PUBLIC AWARENESS CAMPAIGNS			
1999	5.1 Organising conference/seminar on ozone layer protection	all	To facilitate ODS phase-out in the sector
1999	5.2 Organising sector seminar/workshops on non-ODS alternatives/substitutes	all	To facilitate ODS phase-out in the sector
1999	5.3 Organising training seminar/workshops for servicing and maintenance workshop operators	all	To facilitate ODS phase-out in the sector
6. PLANS TO BE PREPARED			
1998/1999	Refrigeration Management Plan	Refrigeration and Air conditioning	To facilitate ODS phase-out in the sector

3. Summary of Projects being submitted to this meeting approval

TYPE OF PROJECT (SECTOR)	YEAR	PROJECT DESCRIPTION	PROJECT COST (US DOLLARS)	PARTICIPATION OF IMPLEMENTING AGENCIES	TONNES X ODP PHASE-OUT
All	98 - 01	Institutional Strengthening Project	80.000	UNEP	N/A

4. Summary of Projects for which additional bilateral assistance external to Multilateral Fund will be sought

TYPE OF PROJECT (SECTOR)	YEAR	PROJECT DESCRIPTION	PROJECT COST (US DOLLARS)	PARTICIPATION OF IMPLEMENTING AGENCIES	TONNES X ODP PHASE-OUT
Air conditioning and Refrigeration	99	Development of RMP	30.000	Bilateral out of Multilateral Fund framework	N/A

5. Cost

Cost of Projects and Activities in the Country Programme : 80.000

Estimated cost effectiveness : N/A

EXECUTIVE SUMMARY

1. This Country Programme is a reflection of the commitment of Brunei Darussalam to its obligation as a Party to the Montreal Protocol. Brunei Darussalam became a Party in August 1993. The Country Programme was approved by the Government in September 1998 and is being presented to the 26th Meeting of the Multilateral Fund Executive Committee (MFEC) for approval.
2. The Country Programme (CP) presents the background and current status as well as forecasts on the consumption of Ozone Depleting Substances (ODS) in Negara Brunei Darussalam. It also outlines the proposal for the institutional and policy frameworks, the actions to be taken by the Government and industries, implementation strategies, action plans and time frame to implement the action plan as of June 1997 Brunei has been reclassified as operating under Article 5 of the Montreal Protocol. According to Decision VI/5 (d) and (e) of the Sixth Meeting of the Parties to the Montreal Protocol, Brunei Darussalam will be seeking financial assistance from the Multilateral Fund (MLF) for the establishment of an Ozone sub-Unit or Ozone Desk Officer in the Environment Unit, Ministry of Development. It also intends to seek bilateral assistance external to the Multilateral Fund mechanism to fund the preparation and implementation of the proposed Refrigeration Management Plan.
3. Brunei Darussalam does not produce or export any ODS. Using the data declared by the suppliers and users, the estimated consumption in 1995 is 65.05 MT Ozone Depleting Potential (ODP) of Annex A Group I CFCs or 0.24 kg per capita based on a population of 293,035 in 1995. A follow-up survey in the middle of 1997 for ODS consumption in 1996 resulted in an estimated consumption of 0.26 kg/capita of ODS in Annex A Group I CFCs. A second follow-up survey in middle 1998 showed that the consumption for Annex A Group I CFCs for 1997 was 0.286 kg/capita. Brunei Darussalam was not exporting manufactured goods containing ODS in 1995 and the situation remains the same until now.
4. Brunei Darussalam has proposed to implement a series of action which would ensure that the consumption of CFCs in the next two to three years would remain the same at an average of 1995 – 1997 levels. After this, the consumption will be phased out with the implementation of the frame work action plan to control and phase-out the use of ODS in the country. The target date for complete phase-out of the use of CFCs in the country is year 2006, which is also applicable to ODS required for the service and maintenance sector.